

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09650/005001	SERIAL NO. 09/456,848 10/655,992
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		(37 CFR 1.98(b))		APPLICANT Ronald P. Knockeart et al.	
				FILING DATE August 19, 1998	GROUP 3661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER						ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
mtw	AA	4	7	9	6	1	9	1	01/03/89	Honey et al.		
	AB	5	3	1	1	1	9	5	05/10/94	Mathis et al.		
	AC	5	5	0	4	4	8	2	04/02/96	Schreder		
	AD	5	5	4	3	7	8	9	08/06/96	Behr et al.		
	AE	5	5	5	9	5	5	1	09/24/96	Ito et al.		
	AF	5	5	6	5	8	7	4	10/15/96	Rode		
	AG	5	5	8	7	9	1	1	12/24/96	Asano et al.		
	AH	5	6	1	2	8	8	1	03/18/97	Moroto et al.		
	AI	5	6	4	2	1	0	6	06/24/97	Hancock et al.		
mtw	AJ	5	8	7	5	4	1	2	02/23/99	Sulich et al.		
	AK											

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
mtw	AL	WO 96/07110	03/07/96	PCT				
mtw	AM	EPO 379 198 A	07/25/90	Europe				
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

AQ		Abstract: Publication No. 63300399, Publication Date: 07/12/88, Title: Navigation System						
AR								
AS								

EXAMINER	Nguyenbun	DATE CONSIDERED	9/10/04
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney's Docket No. 09650-005001	Application No. 09/136,868-10/655,992
Information Disclosure Statement by Applicant <small>(Use several sheets if necessary)</small> <small>(37 CFR §1.98(b))</small>		Applicant			
		Ronald P. Knockeart et al.		Filing Date August 19, 1998	Group Art Unit 3661

U.S. Patent Documents							
Examiner Initial	Design ID	Patent Number	Issue Date	Patentee	Class	Subclass	If Appropriate
mtc	AA	5,563,607	10/08/96	Loomis et al.	342	357	
	AB	5,539,645	07/23/96	Mandhyan et al.	364	438	
	AC	5,334,986	08/02/94	Ferhout	342	357	
	AD	5,243,528	09/07/93	Lefebvre	364	449	
mtc	AE	5,072,395	12/10/91	Bliss et al.	364	443	

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Design ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translatable
mtc	AF	96/21193	07/11/96	WO			
	AG	96/00373	01/04/96	WO			
	AH	0 786 646 A2	07/30/97	Europe			
	AI	0 354 684	02/14/90	Europe			
	AJ	0 349 652	01/10/90	Europe			
	AK	41 39 581 A1	06/03/93	Germany			
mtc	AL	43 00 927 A1	07/21/94	Germany			

Other Documents (Include Author, Title, Date, and Place of Publication)							
Examiner Initial	Design ID	Document					
	AM						
	AN						
	AO						
	AP						
	AQ						

Examiner Signature <u>Myerscough</u>	Date Considered 9/10/04
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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09650-005001	Application No. 09/136,868 10/655,992
Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Ronald P. Knockeart et al.	
(37 CFR §1.98(b))		Filing Date August 19, 1998	Group Art Unit 3662 3661

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
ntw	AA	4733356	03/22/88	Haeussermann, et al.			
	AB	4954958	09/04/90	Savage, et al.			
	AC	5025261	06/18/91	Ohta, et al.			
	AD	5043902	08/27/91	Yokoyama, et al.			
	AE	5172321	12/15/92	Ghaem, et al.			
	AF	5239700	08/24/93	Guenther, et al.			
	AG	5278759	01/11/94	Berra, et al.			
	AH	5311434	05/10/94	Tamai			
	AI	5323321	06/21/94	Smith			
	AJ	5452212	09/19/95	Yokoyama, et al.			
	AK	5475599	12/12/95	Yokoyama, et al.			
	AL	5515284	05/07/96	Abe			
	AM	5610821	03/11/97	Gazis, et al.			
	AN	5635953	06/03/97	Hayami, et al.			
	AO	5648768	07/15/97	Bouve			
	AP	5648769	07/15/97	Sato, et al.			
	AQ	5651056	07/22/97	Eting, et al.			
	AR	5659476	08/19/97	LeFebvre, et al.			
	AS	5794164	08/11/98	Beckert, et al.			
	AT	5808566	09/15/88	Behr, et al.			
	AU	5922041	07/13/99	Anderson			
	AV	5924075	07/13/99	Kanemitsu			
	AW	5938721	08/17/99	Dussell, et al.			
	AX	5951620	09/14/99	Ahrens, et al.			
	AY	5959577	09/28/99	Fan, et al.			
	AZ	6070124	05/30/00	Nimura, et al.			
ntw	AAA	6124826	09/26/00	Garthwaite, et al.			

Examiner Signature <i>R. Nguyen</i>	Date Considered 9/10/04
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Information Disclosure Statement by Applicant (Use several sheets if necessary)		Applicant Ronald P. Knockeart et al.		
		Filing Date August 19, 1998	Group Art Unit 9662 3661	
(37 CFR §1.98(b))				

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
nto	ABB	6131064	10/10/00	Vieweg			
nto	ACC	6216086	04/10/01	Seymour, et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
							Yes
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Examiner Signature <i>Myayenka</i>	Date Considered <i>9/10/04</i>
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Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Ronald P. Knockeart et al.		
		Filing Date August 19, 1998	Group Art Unit 3662 3661	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
ntc	AA	5,559,707	09/24/96	DeLorme et al.			
	AB	5,638,280	06/10/97	Nishimura et al.			
	AC	5,774,824	06/30/98	Streit et al.			
	AD	5,802,492	09/01/98	DeLorme et al.			
	AE	5,848,373	12/08/98	DeLorme et al.			
	AF	5,862,500	01/19/99	Goodwin			
	AG	5,948,040	09/07/99	DeLorme et al.			
	AH	6,009,403	12/28/99	Sato			
	AI	6,032,089	02/29/00	Buckley			
	AJ	6,075,467	06/13/00	Ninagawa			
	AK	6,076,041	06/13/00	Watanae			
	AL	6,141,609	10/31/00	Herdeg et al.			
ntc	AM	6,249,767	06/19/01	Okayama et al.			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation
ntc	AN	0 317 181 B1	05/24/89	Europe			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
	AO						

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
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Examiner Signature <i>Myayenka</i>	Date Considered 9/10/04
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10/655,992

Notice of References Cited			Application No. 09/436,868	Applicant(s) KNOCKEART ET AL		
			Examiner T. BLUM	Group Art Unit 3662		
U.S. PATENT DOCUMENTS						
*	DOCUMENT NO.	DATE	NAME		CLASS	SUBCLASS
A	6028537	2-22-00	SUMAN ET AL		340	9.98
B						
C						
D						
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FOREIGN PATENT DOCUMENTS						
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Knockeart

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T. SLUM

Applicant(s)

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3662Page 1

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*	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	6169515	1-2-01	MANNINGS ET AL	342	357.1
B	5364093	11-15-94	HUSTON ET AL	—	—
C	5955973	9-21-99	ANDERSON	340	988
D	5394333	2-28-95	KAO	340	990
E	5243528	9-7-93	LEFEBVRE	340	988
F					
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*	DOCUMENT, (including Author, Title, Source, and Pertinent Pages)	DATE
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(See Manual of Patent Examining Procedure, Section 707.03(a).)

Part of Paper No. 41

U.S. GPO: 1995-454-457/87508

Aug 10 2004

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		Examiner Theodore M. Blum	Art Unit 3682

U.S. PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-6,324,472	11-2001	O'Shea	701/211
B	US-5,802,492	09-1998	DeLorme et al 	701/200
C	US-			
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

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*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
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Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

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